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Publication

What will our rivers look like in the future? A case study on the Achencoil River

Alka Abraham, Subrahmanya Kundapura

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What is it about?

Changes in climate, population, and land use affect how rivers flow, impacting ecosystems and water management. Understanding this relationship helps ensure sustainable development.

This study looks at how these factors might alter the Achencoil River basin in Kerala, India. It examines how the land is used, predicts how the climate might change, and then uses computer models to understand how these changes could affect the flow of the river. The researchers wanted to use this information to help manage the river better and protect the environment around it.

They found that by 2050, there will be even more urban areas around the river, increasing water demand. Regarding the impact of climate change, they predicted an increase in floods during the rainy season and a higher risk of droughts at other times of the year.

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